

# 2013 Certificate of IMAS compliance

## Security Devices Pvt., PPE for Humanitarian Demining

The IMAS 10.30 requirement (agreed by me as the PPE specialist on the IMAS review board at the time) recognises that PPE is a last resort protection against injury during an accidental initiation. The board also recognised that all blasts are different and that success in lab and blast testing cannot guarantee success in any specific blast event.

This is to Certify that I have inspected the manufacturing facilities and the professional testing record of the private commercial company Security Devices (SD) in Zimbabwe during January 2013. This inspection has been made as a critical independent without receiving payment of any nature from the company inspected.

I find that the range of PPE manufactured and sold for use in Humanitarian Demining by the company Security Devices Pvt based in Msasa, Harare, Zimbabwe meets or exceeds the minimum requirements for PPE expressed in IMAS 10.30 (Ed.2, 2009).

Specifically, I find that:

1. Independent testing (in UK and Israel) show that the core materials used in all SD body protection are as marked on the products and meet or exceed the minimum V50 requirements of NATO STANAG 2920 fragmentation testing regime referenced in the IMAS.
2. All materials used in the production are of a high quality, including covers fastenings and threads (that are not covered by the IMAS).
3. The material used in the SD range of face/eye protection is 5mm untreated polycarbonate or thicker. Using optical and physical testing methods, I could find no indications that the methods used in forming the material reduce its protections levels.
4. The blast resistant tools manufactured by SD meet or exceed the design recommendations produced in an independent US ARMY CECOM NVESD funded design programme and the recommendations of IMAS 10.30 (Ed.2, 2009).
5. The record of blast testing of PPE using a minimum 240g TNT charge (not an inadequate Plastic Explosive substitute) shows that all products in their 2013 catalogue have been appropriately blast testing at 60cm (or less) and have proven able to withstand the blast effects at that distance without being compromised in any way that could lead to injury.

Signed:



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